

INTERNATIONAL SEARCH REPORT

IB2004/052089

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L23/13 H01L21/60

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/052404 A1 (THOMAS SUNIL) 20 March 2003 (2003-03-20) paragraphs '0048! - '0051!, '0053!, '0067! - '0069!	1-6, 9, 10, 13
Y		7, 8, 11, 12
A	figures 5, 6	14, 15
X	PATENT ABSTRACTS OF JAPAN vol. 018, no. 556 (E-1620), 24 October 1994 (1994-10-24) -& JP 06 204291 A (ROHM CO LTD), 22 July 1994 (1994-07-22) abstract figures 3, 4	14, 15
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *G* document member of the same patent family

Date of the actual completion of the international search

24 February 2005

Date of mailing of the international search report

04/03/2005

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/167081 A1 (KONDO YOICHIRO) 14 November 2002 (2002-11-14) abstract paragraphs '0017! - '0021! figures 1,2	7,8
Y	----- LAMMERINK T S J ET AL: "Modular concept for fluid handling systems. A demonstrator micro analysis system" MICRO ELECTRO MECHANICAL SYSTEMS, 1996, MEMS '96, PROCEEDINGS. AN INVESTIGATION OF MICRO STRUCTURES, SENSORS, ACTUATORS, MACHINES AND SYSTEMS. IEEE, THE NINTH ANNUAL INTERNATIONAL WORKSHOP ON SAN DIEGO, CA, USA 11-15 FEB. 1996, NEW YORK, NY, USA,IEEE, 11 February 1996 (1996-02-11), pages 389-394, XP010159420 ISBN: 0-7803-2985-6 the whole document	8,11,12
A	-----	1

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US 2003052404	A1	20-03-2003	US 2002163055	A1	07-11-2002
			US 2004084738	A1	06-05-2004
JP 06204291	A	22-07-1994	JP 2758115	B2	28-05-1998
US 2002167081	A1	14-11-2002	JP 2001308260	A	02-11-2001